

Title (en)  
Catheter for dilating stenotic lesions.

Title (de)  
Katheter zur Dilatation von stenosischen Schäden.

Title (fr)  
Cathéter pour dilater des lésions sténotiques.

Publication  
**EP 0597465 A1 19940518 (EN)**

Application  
**EP 93118227 A 19880920**

Priority

- EP 88909045 A 19880920
- US 10036387 A 19870923

Abstract (en)  
A catheter for dilating stenotic lesions has an elongated body (I) with at least one lumen (12) extending therethrough. A tip (T), constructed of materials softer than the elongated body is attached to the distal end of the body. The tip segment has at least one lumen (14) passing therethrough which is in alignment with the lumen (12) in the elongated body. A guide is adapted to pass through the aligned lumens. A balloon (D) is connected to the distal segment of the elongated body over its outer periphery, thereby creating a balloon cavity (24) therebetween. At least one additional lumen (A) is provided in the elongated body in flow communication with the balloon cavity, for selective inflation and deflation thereof, with a contrast fluid.

IPC 1-7  
**A61M 29/02**

IPC 8 full level  
**A61F 2/958** (2013.01); **A61M 25/00** (2006.01); **A61M 25/10** (2006.01); **A61M 29/00** (2006.01); **A61M 29/02** (2006.01)

IPC 8 main group level  
**A61M** (2006.01)

CPC (source: EP KR US)  
**A61M 25/00** (2013.01 - KR); **A61M 25/1002** (2013.01 - EP US); **A61M 25/104** (2013.01 - EP US); **A61M 29/00** (2013.01 - KR); **A61M 25/0068** (2013.01 - EP US); **A61M 25/0069** (2013.01 - EP US); **A61M 25/0071** (2013.01 - EP US); **A61M 2025/0006** (2013.01 - EP US); **A61M 2025/0081** (2013.01 - EP US); **A61M 2025/1059** (2013.01 - EP US); **A61M 2025/1079** (2013.01 - EP US); **A61M 2025/1093** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
DE FR GB

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**WO 8902763 A1 19890406**; AT E106761 T1 19940615; AU 2543288 A 19890418; CA 1323273 C 19931019; CN 1036333 A 19891018; DE 3850116 D1 19940714; DE 3850116 T2 19940915; DE 3856397 D1 20000316; DE 3856397 T2 20000921; DK 74690 A 19900322; DK 74690 D0 19900322; EP 0383794 A1 19900829; EP 0383794 B1 19940608; EP 0597465 A1 19940518; EP 0597465 B1 20000209; ES 2015351 A6 19900816; JP H02501712 A 19900614; JP H0511996 B2 19930216; KR 890701163 A 19891219; KR 920000467 B1 19920114; US 4921483 A 19900501

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**US 8803250 W 19880920**; AT 88909045 T 19880920; AU 2543288 A 19880920; CA 578087 A 19880922; CN 88107745 A 19880922; DE 3850116 T 19880920; DE 3856397 T 19880920; DK 74690 A 19900322; EP 88909045 A 19880920; EP 93118227 A 19880920; ES 8802908 A 19880923; JP 50833688 A 19880920; KR 890700885 A 19890519; US 10036387 A 19870923